

**DEPARTMENT OF THE AIR FORCE
TECHNICAL ORDER**

TO 31P1-4-108-549
DATA CODE: 3117800
1 June 1997
Rescission date: 15 June 1998

**RETROFIT OF PEDESTAL HEATER TO ADD A
BRASCH TK1 THERMOSTAT TO EACH HEATER
LOCATED IN THE PEDESTAL; WSR-88D DOPPLER
METEOROLOGICAL RADAR**

NOTE

Military Commanders are responsible for bringing this technical order to the attention of all maintenance personnel cleared for access of affected system.

1. APPLICATION.

1.1 Identification. This Time Compliance Technical Order (TCTO) is applicable to the following WSR-88D RDA sites:

Altus AFB, OK	Beale AFB, CA	Camp Humphreys, ROK
Cannon AFB, NM	Dover AFB, DE	Ft Campbell, KY
Ft Drum, NY	Kunsan AFB, ROK	Lajes AFB, Azores
Minot AFB, ND	Vance AFB, OK	

1.2 Kit Applicability by Model and Serial Number. Not applicable.

1.3 Proofing. Kit proofing was accomplished at WSFO Oklahoma City, OK.

2. PURPOSE.

The purpose of this Routine Action TCTO is to add a Brasch TK-1 thermostat(s) to each heater located in the pedestal. Currently the heater(s) is manually operated and intended for human comfort. At many sites the temperature can get low enough to cause pedestal encoder problems. The addition of a thermostat will eliminate pedestal encoder problems due to cold weather. The authority for this TCTO is ECP F0036.

3. WHEN TO BE ACCOMPLISHED.

Not later than 60 days after receipt of TCTO and kit. Failure to accomplish the work by expiration of compliance period or 60 days prior to rescission date will be justification for withdrawing the affected system from service until compliance is accomplished.

4. BY WHOM TO BE ACCOMPLISHED

Organizational level personnel will accomplish this modification.

Distribution Statement A - Approved for public release; distribution is unlimited.

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5. WHAT IS REQUIRED.

5.1 Supply-Information and Requirements.

5.1.1 Kits/Parts/Material Required. The following part makes up the kit for this modification. ***The OSF Logistics Section will direct ship the required kit(s) to the NEXRAD maintenance facility at no cost.***

<u>Nomenclature</u>	<u>Part No.</u>	<u>NSN</u>	<u>QTY</u>
Thermostat	TK-1	5930-01-440-2292	01

The following list indicates the total number of thermostats required for each site:

<u>Site</u>	<u>Quantity</u>
Altus AFB, OK	1
Beale AFB, CA	1
Cannon AFB, NM	1
Dover AFB, DE	1
Ft Campbell, KY	1
Vance AFB, OK	1
Camp Humphreys, ROK	2
Ft Drum, NY	2
Kunsan AFB, ROK	2
Lajes AFB, Azores	3
Minot AFB, ND	3

5.1.2 Action Required on Items in Stock. Not applicable.

5.1.3 Kits/Parts/Material Required to Modify Items in Stock. Not applicable.

5.1.4 Disposition of Removed and Replaced Parts/Material. Discard removed jumper wires IAW local procedures.

5.1.5 Drawings and Instructions Required. Not applicable.

5.1.6 Size and Weight of Kits/Parts/Materials. Size, weight and cost are estimated.

<u>Size</u>	<u>Weight</u>	<u>Cost</u>
6 in x 6 in x 3 in	1 Pounds	\$20.00

5.1.7 Disposition of Kits/Parts/Materials. Not applicable.

5.2 Personnel Information and Requirement. The personnel performing this task will have maintenance and test experience with WSR-88D Pedestal. Two technicians are required for this procedure.

<u>Work Phases</u>	<u>AFSC Skills</u>	<u>Man-Hours</u>
Unpacking	2E051	0.1
Disassembly	2E051	0.40
Installation	2E051	0.50
Assembly	2E051	
Operational Check	2E051	1.0
	Total Man-Hours	2.0 per thermostat

5.3 Special Tools and Fixtures Required. Not applicable.

6. HOW WORK IS ACCOMPLISHED. Refer to attachment 1.

7. SUPPLEMENTAL INFORMATION.

7.1 Fuel System Defuel/Purge. Not applicable.

7.2 Operational Checkout Requirements. Refer to attachment 1.

7.3 Weight and Balance Information. Not applicable.

7.4 Technical Manuals Affected.

<u>Technical Manual</u>	<u>Date</u>
TO 31P1-4-108-1 (EHB 6-500)	15 August 1992
TO 31P1-4-108-4 (EHB 6-501)	15 August 1994
TO 31P1-4-108-101 (EHB 6-550)	15 August 1992
N/A (EHB 6-553)	1 December 1995

8. RECORDS.

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8.1 Action Required on Maintenance Records.

- a. Update AFTO Form 95 to show TCTO compliance.
- b. Report TCTO compliance in accordance with TO 00-20-2, Table 3-10, Rule 9.
- c. Complete attachment 2 and forward to:

System Support Branch, Logistics Section
Operational Support Facility
3200 Marshall Ave, Suite 101
Norman, Oklahoma 73072-8028

Fax number: (405) 366-6553

Or, e-mail information to:

khare@osf.noaa.gov

8.2 Action Required on Supply Records. Not applicable.

8.3 Modification Markings. Not applicable.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

Ronald R. Fogleman, General, USAF
Chief of Staff

Signed

Edward Berkowitz, Chief
System Support Branch
Operational Support Facility
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